

Please type a sign(+) inside this box

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	0942.2800008/RWE/RCM
First Inventor or Application Identifier	CHATTERJEE, Deb K.
Title	Cloned DNA Polymerases From Thermotoga maritima and Mutants Thereof
Express Mail Label No.	

J-5966 S  
10/13/99

PTO

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.

1.  \* Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original, and a duplicate for fee processing)*
2.  Specification  
*(preferred arrangement set forth below)*
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3.  Drawing(s) (35 U.S.C. 113) [Total Sheets 30]
4.  Oath or Declaration [Total Pages 2]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d)) for continuation/divisional with Box 17 completed  
*[Note Box 5 below]*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference *(useable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

ADDRESS TO:  
Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231J-5966 U.S.P.T.O.  
09/22/99  
01/13/99

6.  Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*
  - a.  Computer Readable Copy
  - b.  Paper Copy
  - c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8.  Assignment Papers (cover sheet & document(s))
  9.  37 CFR 3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*
  10.  English Translation Document *(if applicable)*
  11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
  12.  Preliminary Amendment
  13.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
  14.  \*Small Entity Statement(s)  Statement filed in prior application, Status still proper and desired
  15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
  16.  Other: -37 C.F.R. § 1.136(a)(3) Authorization
- Other:

\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:
 

Continuation     Divisional     Continuation-in-Part (CIP) of prior application No: 08 /706,702

Prior application information: Examiner K. Hendricks

Group/Art Unit: 1652

**18. CORRESPONDENCE ADDRESS** Customer Number  
or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or  Correspondence address below

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. Attorneys at Law		
ADDRESS	Suite 600, 1100 New York Avenue, N.W.		
CITY	Washington	STATE	DC
COUNTRY	USA	TELEPHONE	(202) 371-2600
NAME (Print/Type)	Robert J. Millonig	Registration No. (Attorney/Agent)	34,395
SIGNATURE	Date	January 13, 1999	

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT		(\$760.00)	Complete if Known			
Application Number	Divisional of 08/706,702					
Filing Date	(Herewith)					
First Named Inventor	Chatterjee, Deb K.					
Examiner Name	K. Hendricks					
Group / Art Unit	1652					
Attorney Docket Number	0942.2800008/RWE/RCM					

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)				
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:		3. ADDITIONAL FEES				
Deposit Account Number	19-0036	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
Deposit Account Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.	105	130	205	65	Surcharge - late filing fee or oath
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance		127	50	227	25	Surcharge - late provisional filing fee or cover sheet
2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check No. 23477 <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other*		139	130	139	130	Non-English specification
*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.		147	2,520	147	2,520	For filing a request for reexamination
FEE CALCULATION		112	920*	112	920*	Requesting publication of SIR prior to Examiner action
1. BASIC FILING FEE		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
Large Fee Code (\$)	Entity Fee Code (\$)	Small Fee Code (\$)	Fee Description	Fee Paid		
101	760	201	380	Utility filing fee	760.00	
106	310	206	155	Design filing fee		
107	480	207	240	Plant filing fee		
108	760	208	380	Reissue filing fee		
114	150	214	75	Provisional filing fee		
SUBTOTAL (1) (\$ 760.00)						
2. EXTRA CLAIM FEES		Extra	Fee from below	Fee Paid		
Total Claims	20	- 20** =	0	X	= 0.00	
Indep. Claims	1	- 3** =	0	X	= 0.00	
Multiple Dependent Claims					=	
** or number previously paid, if greater; For Reissues, see below						
Large Fee Code (\$)	Entity Fee Code (\$)	Small Fee Code (\$)	Fee Description	Fee Paid		
103	18	203	9	Claims in excess of 20		
102	78	202	39	Independent claims in excess of 3		
104	260	204	130	Multiple dependant claim		
108	78	209	39	**Reissue independent claims over original patent		
110	18	210	9	**Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2) (\$ 0.00)						
Other fee (specify): Other fee (specify): *Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$ )	

SUBMITTED BY		Complete (if applicable)		
Typed or Printed Name	Robert G. Millonig	Reg. Number	34,395	
Signature		Date	January 13, 1999	Deposit Acct. User ID

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01/13/99  
JC599 U.S. PRO

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January 13, 1999

\*BAR OTHER THAN D.C.  
\*\*REGISTERED PATENT AGENTS

WRITER'S DIRECT NUMBER:  
(202) 371-2653

Assistant Commissioner for Patents  
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Divisional of 08/706,702; Filed: September 6, 1996  
For: **Cloned DNA Polymerases From *Thermotoga maritima* and  
Mutants Thereof**  
Inventors: CHATTERJEE, Deb K.  
Our Ref: 0942.2800008/RWE/RCM

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. PTO Utility Patent Application Transmittal Form (PTO/SB/05);
2. U.S. Utility Patent Application entitled:  
**Cloned DNA Polymerases From *Thermotoga maritima* and Mutants Thereof**  
and naming as inventor:  
Deb K. Chatterjee

the application consisting of:

- a. A specification containing:
  - (i) 79 pages of description prior to the claims, including a sequence listing on pages 62 to 79;

Assistant Commissioner for Patents  
January 13, 1999  
Page 2

- (ii) 6 pages of claims (35 claims);
- (iii) a one (1) page abstract;
- b. 30 sheets of drawings: (Figures 1-4, 5A, 5B, 6A, 6B, 7-13, 14A, 14B, 15, 16A, 16B, 16C, 16D, 16E, 16F, 17A, 17B, 17C, 17D, 17E, 17F);
- c. A copy of the executed Declaration, as filed in U.S. Appl. No. 08/706,702;
- d. Our check No. 23477 for \$760.00 to cover filing fee for patent application;
- 3. Preliminary Amendment;
- 4. PTO Fee Transmittal Form PTO/SB/17;
- 5. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3); and
- 6. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert C. Millonig  
Attorney for Applicants  
Registration No. 34,395

RCM/cmg

P:\USERS\BOBM\0942\2800006\Divisional-tm1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CHATTERJEE, Deb K.

Appl. No. (Divisional of 08/706,702)

Filed: (Herewith)

For: **Cloned DNA Polymerases From  
*Thermotoga* and Mutants Thereof**

Art Unit: 1652

Examiner: K. Hendricks

Atty. Docket: 0942.2800008/RWE/RCM

JC542 U.S. PTO  
09/229173  
  
01/13/99

**Authorization To Treat A Reply As Incorporating An Extension Of Time  
Under 37 C.F.R. § 1.136(a)(3)**

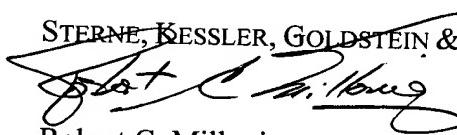
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time.

The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  


Robert C. Millonig  
Attorney for Applicants  
Registration No. 34,395

Date: January 13, 1999  
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P:\USERS\BOBM\0942\2800006\DIV Authorization